

# Computer Mouse

D. Darian Muresan and David Muresan

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## Abstract

This invention refers to a computer mouse used to control the pointer on a monitor screen. The standard computer mouse uses one ball and three rollers to obtain the two dimensional position of the mouse. The first two rollers are used to update the position of the mouse, when the ball is moving, by having a third roller push the ball against the first two rollers. The force of the third roller keeps the ball in constant contact with the first two rollers guaranteeing that any movement of the ball is transmitted to the first two rollers which then update the position of the mouse on the screen. This invention replaces the functionality of the third roller by a magnet, which in turn increases the precision of the computer mouse.

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